

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
7 October 2004 (07.10.2004)

PCT

(10) International Publication Number
WO 2004/085560 A1

(51) International Patent Classification: C09D 183/10,
C08G 77/42

(21) International Application Number:
PCT/EP2004/003258

(22) International Filing Date: 26 March 2004 (26.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03251907.6 26 March 2003 (26.03.2003) EP

(71) Applicant (for all designated States except US): SIG-
MAKALON SERVICES B.V. [NL/NL]; Amster-
damseweg 14, NL-1422 AD Uithoorn (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): VOS, Marcel
[NL/BE]; Rue Cheval Godet, 78, B-1400 Nivelles (BE).
PLEHIERS, Mark [BE/BE]; Rue Le Corrège 21, B-1000
Bruxelles (BE). GILLARD, Michel [BE/BE]; Rue Jean
Froissart, 6/102, B-1348 Louvain-la-Neuve (BE).

(74) Agents: NEILL, Alistair, William et al.; Appleyard Lees,
15 Clare Road,, Halifax, HX1 2HY (GB).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

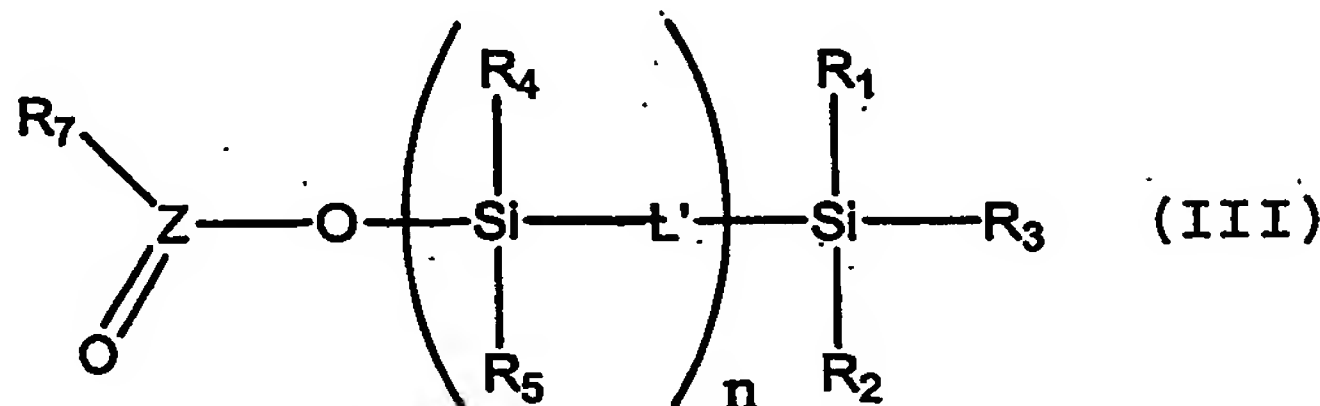
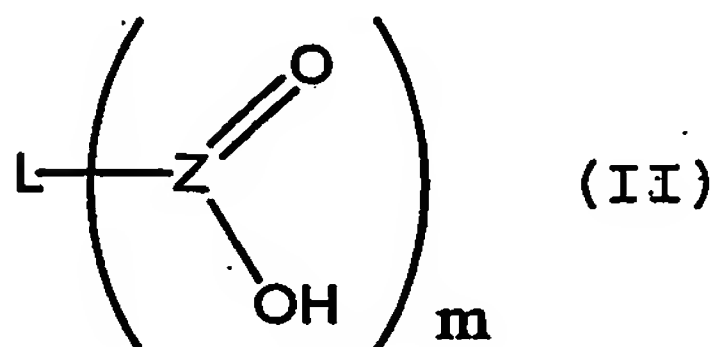
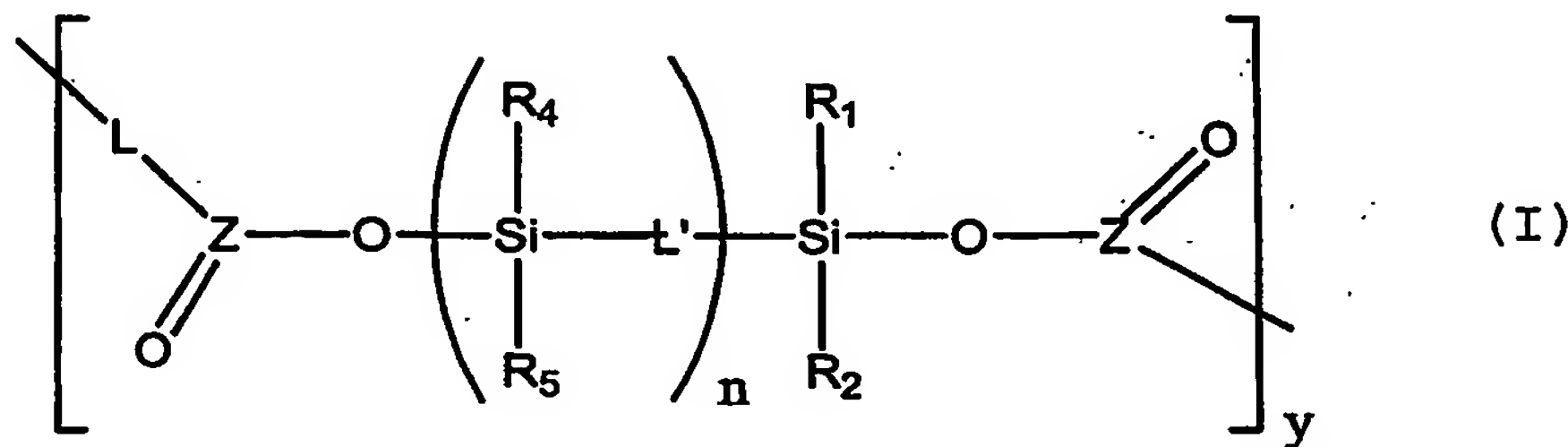
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR THE PREPARATION OF POLY(SILYL ESTER)S, AND THEIR USES



(57) Abstract: The present invention provides a process for the preparation of poly(silyl ester)s comprising a structural unit of the formula (I) (I) which process comprises the step of reacting; a polyacid of formula (II) (II) with a polyacyloxysilyl derivative of formula (III) (II) whilst removing the formed acid group(s) of formula (IV) and (V) and (VI), R₇ Z(O)OH (IV), R₉ Z(O)OH (V), R₈ Z(O)OH (VI), from the system.